

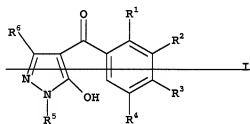
**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A synergistic herbicidal mixture comprising

A) at least one 3-heterocyclyl-substituted-benzoyl derivative of the formula I



in which the variables have the following meanings:

$R^1$ ,  $R^3$  are halogen,  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -haloalkyl,  $C_1$ - $C_6$ -alkoxy,  $C_1$ - $C_6$ -haloalkoxy,  $C_1$ - $C_6$ -alkylthio,  $C_1$ - $C_6$ -alkylsulfinyl or  $C_1$ - $C_6$ -alkylsulfonyl;

$R^2$  is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -alkoxy,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -haloalkoxy or  $C_1$ - $C_4$ -alkylthio;

$R^4$ —is hydrogen, halogen or  $C_1$ - $C_6$ -alkyl;

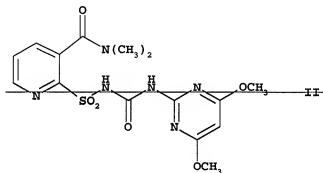
$R^5$ —is  $C_1$ - $C_6$ -alkyl;

$R^6$ —is hydrogen or  $C_1$ - $C_6$ -alkyl;

or one of its environmentally compatible salts; 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole;

and

B) the compound of formula II



or one of its environmentally compatible salts; nicosulfuron (II);

and,

- C) at least one herbicidal compound from the group of the acetolactate synthase inhibitors (ALS), lipid biosynthesis inhibitors and photosynthesis inhibitors;

in a synergistically effective amount.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 1, comprising ~~at least three active ingredients, a 3-heterocyclyl-substituted~~

benzoyl derivative of the formula I (component A) as claimed in claim 1, the compound of formula II (component B) and wherein said herbicidal compound is selected from

C) —at least one herbicidal compound from the groups C1 to C3:

C1 acetolactate synthase inhibitors (ALS):

imidazolinones, pyrimidyl ethers, sulfonamides or sulfonylureas;

C2 lipid biosynthesis inhibitors:

anilides, chloroacetanilides, thioureas, benfuresate or perfluidone;

C3 photosynthesis inhibitors:

propanil, pyridate, pyridafol, benzothiadiazinones, dinitrophenols, dipyridylenes, ureas, phenols, chloridazon, triazines, triazinones, uracils or biscalbamates;

or their environmentally compatible salts.

9. (Previously presented) A synergistic herbicidal mixture as claimed in claim 1, comprising, as component C), at least one herbicidal compound from the groups C1 to C3:

C1 acetolactate synthase inhibitors (ALS):

- imidazolinones:  
imazapyr, imazaquin, imazamethabenz-methyl (imazame),  
imazamox, imazapic, imazethapyr or imazamethapyr;
- pyrimidyl ethers:  
pyrithiobac-acid, pyrithiobac-sodium, bispyribac-sodium, KIH-6127  
or pyribenzoxym;
- sulfonamides:  
florasulam, flumetsulam or metosulam; or
- sulfonylureas:  
amidosulfuron, azimsulfuron, bensulfuron-methyl, chlorimuron-  
ethyl, chlorsulfuron, cinosulfuron, cyclosulfamuron,  
ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron,  
halosulfuron-methyl, imazosulfuron, metsulfuron-methyl,  
primisulfuron-methyl, prosulfuron, pyrazosulfuron-ethyl, rimsulfuron,  
sulfometuron-methyl, thifensulfuron-methyl, triasulfuron, tribenuron-  
methyl, triflusulfuron-methyl, N-[[[4-methoxy-6-(trifluoromethyl)-  
1,3,5-triazin-2-yl]amino]-carbonyl]-2-(trifluoromethyl)-  
benzenesulfonamide, sulfosulfuron or idosulfuron;

C2 lipid biosynthesis inhibitors:

- anilides:  
anilofos or mefenacet;

- chloroacetanilides:  
dimethenamid, S-dimethenamid, acetochlor, alachlor, butachlor,  
butenachlor, diethatyl-ethyl, dimethachlor, metazachlor,  
metolachlor, S-metolachlor, pretilachlor, propachlor, prynachlor,  
terbuchlor, thenylchlor or xylachlor;
- thioureas:  
butylate, cycloate, di-allate, dimepiperate, EPTC, esprocarb,  
molineate, pebulate, prosulfocarb, thiobencarb (benthiocarb), tri-  
allate or vernolate; or
- benfuresate or perfluidone;

C3 photosynthesis inhibitors:

- propanil, pyridate or pyridafol;
- benzothiadiazinones:  
bentazone;
- dinitrophenols:  
bromofenoxim, dinoseb, dinoseb-acetate, dinoterb or DNOC;
- dipyridylenes:  
cyperquat-chloride, difenzoquat-methylsulfate, diquat or paraquat-  
dichloride;
- ureas:  
chlorbromuron, chlorotoluron, difenoxuron, dimefuron, diuron,  
ethidimuron, fenuron, fluometuron, isoproturon, isouron, linuron,

methabenzthiazuron, methazole, metobenzuron, metoxuron,  
monolinuron, neburon, siduron or tebuthiuron;

- phenols:

bromoxynil or ioxynil;

- chloridazon;

- triazines:

ametryn, atrazine, cyanazine, desmetryn, dimethamethryn,  
hexazinone, prometon, prometryn, propazine, simazine, simetryn,  
terbumeton, terbutryn, terbutylazine or trietazine;

- triazinones:

metamitron or metribuzine;

- uracils:

bromacil, lenacil or terbacil; or

- biscarbamates:

desmedipham or phenmedipham

or their environmentally compatible salts.

10. (Original) A synergistic herbicidal mixture as claimed in claim 9, comprising, as component C), at least one herbicidal compound from the group C1.
11. (Currently amended) A synergistic herbicidal mixture as claimed in claim 10 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-

methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II nicosulfuron (II) and as component C) a sulfonylureas from the group C1.

12. (Currently amended) A synergistic herbicidal mixture as claimed in claim 10 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II nicosulfuron (II) and as component C) rimsulfuron.
13. (Currently amended) A synergistic herbicidal mixture as claimed in claim 9 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II nicosulfuron (II) and as component C) a herbicidal compound from the group C2.
14. (Currently amended) A synergistic herbicidal mixture as claimed in claim 13 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II nicosulfuron (II) and as component C) a chloroacetanilide from group C2.
15. (Currently amended) A synergistic herbicidal mixture as claimed in claim 13, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-



methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II), and as component C) dimethenamid or S-dimethenamid.

16. (Currently amended) A synergistic herbicidal mixture as claimed in claim 9 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II), and as component C) a herbicidal compound from the group C3.
17. (Currently amended) A synergistic herbicidal mixture as claimed in claim 16 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II), and as component C) a triazine from group C3.
18. (Currently amended) A synergistic herbicidal mixture as claimed in claim 16, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II), and as component C) atrazine.
19. (Currently amended) A synergistic herbicidal mixture as claimed in claim 16 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-

methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B)  
~~the compound of formula II~~ nicosulfuron (II) and as component C) a  
benzothiadiazionone from group C3.

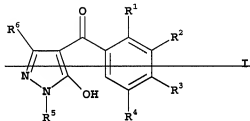
20. (Currently amended) A synergistic herbicidal mixture as claimed in claim 16, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II) and as component C) bentazone.
21. (Currently amended) A synergistic herbicidal mixture as claimed in claim 9 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II) and as component C) a herbicidal compound from the group C1 and a herbicidal compound from the C3.
22. (Currently amended) A synergistic herbicidal mixture as claimed in claim 9, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II) and as component C) rimsulfuron and atrazine.
23. (Currently amended) A synergistic herbicidal mixture as claimed in claim 9 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-

methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II) and as component C) a herbicidal compound from the group C2 and a herbicidal compound from the C3.

24. (Currently amended) A synergistic herbicidal mixture as claimed in claim 9, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) ~~the compound of formula II~~ nicosulfuron (II) and as component C) dimethenamid and atrazine or S-dimethenamid and atrazine.
25. (Previously presented) Synergistic herbicidal mixture as claimed in claim 1, wherein component A) and B) are present in a weight ratio of 1:0.001 to 1:500.
26. (Previously presented) Synergistic herbicidal mixture as claimed in claim 1, wherein component A) and component C) are present in a weight ratio of 1:0.002 to 1:800.
27. (Previously presented) A herbicidal composition comprising a herbicidally active amount of a synergistic herbicidal mixture as claimed in claim 1, at least one inert liquid and/or solid carrier and, if desired, at least one surfactant.

28. (Previously presented) A process for preparing a herbicidal composition of claim 27, comprising mixing component A), component B) and component C), at least one liquid and/or solid carrier and, if appropriate, a surfactant.
29. (Currently Amended) A method of controlling undesired vegetation, ~~which~~ comprising applying before, during or after the emergence of the undesired vegetation, either simultaneously or separately, a synergistic herbicidal combination of

A) ~~at least one 3-heterocycl-yl-substituted benzoyl derivative of the formula I~~



in which the variables have the following meanings:

$R^1, R^3$  are halogen,  $C_1-C_6$ -alkyl,  $C_1-C_6$ -haloalkyl,  $C_1-C_6$ -alkoxy,  $C_1-C_6$ -haloalkoxy,  $C_1-C_6$ -alkylthio,  $C_1-C_6$ -alkylsulfinyl or  $C_1-C_6$ -alkylsulfonyl;

$R^2$ — is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-

dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy or C<sub>1</sub>-C<sub>4</sub>-alkylthio;

R<sup>4</sup>— is hydrogen, halogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

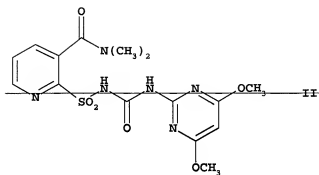
R<sup>5</sup>— is C<sub>1</sub>-C<sub>6</sub>-alkyl;

R<sup>6</sup>— is hydrogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

or one of its environmentally compatible salts; 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole;

and

B) the compound of formula-II



or one of its environmentally compatible salts; nicosulfuron (II);

and,

- C) at least one herbicidal compound from the group of the acetolactate synthase inhibitors (ALS), lipid biosynthesis inhibitors and photosynthesis inhibitors;

in a synergistically effective amount.

30. (Previously presented) The method of claim 29, wherein the undesired vegetation is proximate crop plants, and the synergistic herbicidal combination is applied to the leaves of the crop plants and of the undesired plants.